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Sensor-Based Edge, Fog, and Cloud Computing: Enabling Next-Generation IoT Applications

Guest Editors:

Dr. Amna Eleyan

Department of Computing and
Mathematics, Manchester
Metropolitan University,
Manchester M1 5GD, UK

Dr. Syed Aziz Shah

Research Centre for Intelligent
Healthcare, Coventry University,
Coventry CV1 5FB, UK

Dr. Umar Raza

School of Engineering, Faculty of
Science and Engineering,
Manchester Metropolitan
University, Manchester M1 5GD,
UK

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Message from the Guest Editors

Dear Colleagues,

The rapid growth of Internet of Things (IoT) applications has led to an exponential increase in the volume of sensor-generated data. Traditional centralised cloud computing architectures struggle to handle the massive influx of data, leading to latency issues, bandwidth constraints, and increased costs. To address these challenges, a distributed computing paradigm has emerged, combining edge, fog, and cloud computing.

Edge computing brings computation and data storage closer to the data source, reducing latency and bandwidth requirements. Fog computing extends this concept by introducing intermediate computing nodes between the edge and the cloud, enabling localised data processing and analytics. Cloud computing, on the other hand, offers vast storage and computing resources for scalable and elastic data processing.

This Special Issue therefore aims to collect original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of sensor-based edge, fog, and cloud computing systems.

For detailed information, please visit [here](https://www.mdpi.com/si/193513).

Dr. Amna Eleyan
Dr. Syed Aziz Shah
Dr. Umar Raza

Guest Editors

Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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Message from the Editor-in-Chief

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Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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